

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended) A liquid crystal display device comprising:

a first substrate;

a second substrate facing the first substrate, a space for housing liquid crystal molecules being formed between the first substrate and the second substrate;

a plurality of liquid crystal molecules formed in the space in a predetermined arrangement; and a plurality of electrodes pairing and disposed on the first substrate, all the electrodes being parallel with each other, each pair of electrodes comprising:

a first electrode with a first end and two symmetric first lateral sides connecting with the first end, formed on the first substrate; and

a second electrode with a second end and two symmetric second lateral sides connecting with the second end, formed on the first substrate, ~~a discharge gap being axially formed between~~ the first end facing ~~[[and]]~~ the second end with a discharge gap therebetween;

wherein when an external voltage is applied between the first and the second electrodes, an ~~axially symmetric~~ electrical field is generated to change the arrangement of the liquid crystal molecules.

Claim 2 (original) The liquid crystal display device of claim 1, wherein the predetermined arrangement of the liquid crystal molecules is in a vertical alignment, each liquid crystal molecule has a longitudinal axe, and the longitudinal axe is substantially perpendicular to the first substrate.

Claim 3 (original) The liquid crystal display device of claim 1, wherein the predetermined arrangement of the liquid crystal molecules is in a vertical alignment, each liquid crystal molecule has a longitudinal axe, the longitudinal axe is substantially perpendicular to the second substrate.

Claim 4 (original) The liquid crystal display device of claim 1, wherein the predetermined arrangement of the liquid crystal molecules is in a horizontal alignment, each liquid crystal molecule has a longitudinal axe, and the longitudinal axe is substantially parallel to the first substrate and perpendicular to a line formed by the first end and the second end.

Claim 5 (original) The liquid crystal display device of claim 1, wherein the predetermined

arrangement of the liquid crystal molecules is in a horizontal alignment, each liquid crystal molecules has a longitudinal axe, and the longitudinal axe is substantially parallel to the second substrate and perpendicular to a line formed between the first end and the second end.

Claim 6 (original) The liquid crystal display device of claim 1, wherein a line is formed between the first end and the second end, and the first electrode is symmetrical to the second electrode by the line.

Claim 7 (canceled).

Claim 8 (New)

The liquid crystal display device of claim 1, wherein the width of the first electrode increases from the first end to the other end, and the width of the second electrode increases from the second end to the other end.

Claim 9 (New)

The liquid crystal display device of claim 1, wherein the thickness of the first electrode increases from the first end to the other end, and the thickness of the second electrode increases from the second end to the other end.

Claim 10 (New)

A liquid crystal display device having a plurality of display cells comprising:
a first substrate;
a second substrate facing the first substrate, a space for housing liquid crystal molecules being formed between the first substrate and the second substrate;
a plurality of liquid crystal molecules formed in the space in a predetermined arrangement; and
four electrodes disposed on the first substrate and at corners of each display cell,
wherein when an external voltage is applied between the first and the second electrodes, an electrical field is generated to change the arrangement of the liquid crystal molecules.